

## OPTICAL PHENOMENA.

*Solar Halos*.—2nd, Miss., Ohio. 3rd, Ind., Ohio, Conn. 4th, Me., N. C. 5th, Conn., N. Y. 6th, Fla. 8th, N. Y., Conn. 9th, Ohio, R. I., Conn. 10th and 11th, Conn. 12th, Miss., Ala., Conn. 13th, Ind., R. I. 14th, Ohio. 15th, Ind., Me., Ohio, Fla. 16th, Me., Miss., Ohio, Vt. 17th, Fla., Miss., Ala., Vt. 18th and 19th, Ala. 21st, N. J. 23rd, Ga. 24th, N. Y., Ohio, Ky., Vt. 25th, Conn. 28th, Tex. 29th, N. J., N. Y., Ohio, Conn. 30th, Ky., Ohio. 31st, Conn., N. Y., Dak., R. I.

*Lunar Halos*.—2d, Va. 3d, Texas, Ia., Minn. 4th, Va., Tex., Minn., 5th, Va., Minn., 6th, Neb., Minn. 7th, Md., Dak., Neb., Ohio, S. C., Utah, Tex., Fla., Minn., N. C., N. J. 8th, N. J., Pa., Ill., Ky. 9th, Md., N. J., Va., Tex., Iowa. 10th, Va., Ill., Iowa, Minn., Ohio, N. Y. 11th, Ohio, Tex., Minn. 12th, Va., Minn., Miss., Tex., Ala., Fla. 13th, Neb., Fla., Conn., R. I. 14th, Neb.; Tenn., Va., Iowa, Minn. 15th, Ind., N. J., Tenn., Ga., Va. 16th, W. Va., Ga., S. C. 17th, Wis., Me. 18th, Md., Me. 21st, Me. 22d, Me.

*Mirage*.—New London, Conn., 26th, 27th.

## MISCELLANEOUS PHENOMENA.

**BOTANICAL**.—*Colorado*.—Summit, in bloom, 1st, wild strawberries; ripe, 8th, radishes, 9th, wild strawberries. *Dakota*.—Randolph, 3rd, 35 to 50 percent of the wheat crop damaged by rust, blight and storm. Pembina, 15th, wheat and oat harvest completed; 29th, ripe melons and squashes. *Indiana*.—Laconia, 31st, corn and potatoes very much injured by drought, apples and peaches are falling off badly. *Illinois*.—Marengo, 31st, oats and wheat, fine yield, grass good, except on bottom lands, where it is spoiled by floods; corn, very heavy crop, commenced cutting. *Indian Territory*.—Fort Gibson, 22nd, corn ripe, very large crop reported. *Iowa*.—Clayton, 3rd, wheat much damaged by hot weather, rust and chinch bugs. Irving, 3rd, late hot weather killed the straw. Greenville, 3rd, harvest delayed by extreme wet weather. Red Oak, 3rd, spring wheat damaged by rain and chinch bugs. Guttentburg, 31st, wheat crop better on timbered land than last year, but very poor on prairies; corn good crop; oats excellent; potatoes rotting considerably; buckwheat very promising. Vail, 31st, some corn ripe; ground so hard and dry that no plowing can be done. *Kansas*.—Holton, 31st, early planted corn is hard, late planted doing finely; potatoe crop somewhat injured by dry weather. Cresswell, 17th, chinch bugs injuring corn; 26th, commenced sowing wheat. *Maryland*.—Montgomery Co., 1st, wheat damaged by insects; corn fine; hay good. Fallston, Hartford Co., 31st, farmers plowing in the southern half of county, but with some difficulty; 25th, clover seed harvested. *Massachusetts*.—Mendon, 31st, crops look well, apples in abundance. *Michigan*.—North Port, 31st, corn and potatoes light crop, on account of drought; apples very small crop, some trees liable to die from drought. *Minnesota*.—Utica, 3rd, wheat damaged one third by hot weather. Bellaplain, 3rd, much rain, little sun, wheat badly blighted. Sauk Centre, 3rd, much rust and blight. Brown Co., 9th, wheat badly blighted. *Mississippi*.—Brookhaven, 18th, cotton picking generally begun. *Missouri*.—Oregon, ripe, 3rd, plumes; 2nd, early apples; 7th, alder berries; 8th, grapes; 15th, bartlett pears; 17th, a few strawberries gathered; 31st, lawton blackberries; in bloom, 1st, sumac. Springfield, 31st, all crops enormous. Pierce City, 31st, wheat nearly all threshed, yield about 12 bushels per acre, grain very fine. *Nebraska*.—Sutton, Clay Co., 3rd, harvest greatly delayed by wet weather. Near Howard, 31st, wheat crop injured by wet weather and chinch bug, yield only fair; corn crop excellent. Emerson, in bloom, 3rd, lilacs, and choke cherries second time this season. *New Hampshire*.—Contoocookville, 31st, grapes ripening; 15th, early potatoes harvested. *New York*.—Wappingers Falls, 1st, green corn in market; 23d, peaches decaying on the trees, attributed to early frosts; in bloom, 3d, white pond lilies, buckwheat; 12th, 13th, night blooming cereus; ripe, 1st, wild cherries; 2d, lawton blackberries; 9th, plums; 10th, summer squashes; 18th, summer pears; 20th, Concord grapes; 21st, melons and peaches; 27th, Bartlett pears; 13th, Lima beans in market. Starkey, 16th, prospect of potatoes rotting badly because of warm, wet weather; 20th, threshing oats and barley, poor yield; 31st, corn crop best for many years. Waterburg, 25th, wheat somewhat injured by hessian fly; corn good. Vernor Centre, 9th, hops blighting; 11th, green corn fit for table use; ripe, 15th, tomatoes; 25th, summer squashes, cabbage for table use; 31st, hop harvest well advanced, crop only one-third of last year, but quality extra. *Ohio*.—Bellefontaine, 30th, wheat crop heaviest and best ever known. North Lewisburg, 31st, wheat, rye, oats, corn and potatoes excellent; all kinds of fruits more abundant than for thirty years. Ringgold, 31st, vegetables of all kinds excellent; corn and tobacco good. *Pennsylvania*.—Ephrata, 31st, wheat crop, heavy; oats, poor; rye, tall and good; corn, about half a crop; tobacco, very good; potatoes, suffered from Colorado beetle and drought, crop only moderate; peaches, plenty; apples and pears, scarce; vegetables, very fair. *Texas*.—Melissa, 31st, cotton-picking commenced; considerable quantity already on the market; no worms; weather very favorable; corn crop, very fine; Clarksville, 31st, cotton crop promises to be very fair, though somewhat damaged by excessive heat. *Vermont*.—West Charlotte, 31st, heaviest hay crop for many years; early potatoes, small and poor. *Virginia*.—Wytheville, 10th, wheat crop only fair. Broad Oak, 31st, corn crop, very good; grass, good; vegetables, abundant; no peaches; pear crop, moderate; grapes, only fair; tobacco crop, rather backward, very little planted in the county. *Wisconsin*.—Black River Falls, 3d, wheat, badly injured by rust and chinch bugs. Kenosha, wheat damaged by blight and rust. Tecumseh, 3d, spring wheat slightly damaged by rust. Embarrass, ripe, 30th, corn, beans; crop never better; all crops excellent.

**INSECTS**.—*Locusts*: Summit, Col., 26th, flying SW., during most of forenoon at an elevation of 12,000 feet wind SW. Olivet, Dak., 1st., large numbers from the N.; 5th, a few from the N.; 7th, a few from the S.; 8th,